

Verizonwireless

I-15 EAST MISSION ROAD

DIRECTIONS TO SITE

TAKE RAMP ONTO 1-5 N. GO 6.2 MI. TAKE THE ANAHEIM/RIVERSIDE EXIT ONTO CA-55 N. GO 7.4 MI. TAKE THE RIVERSIDE EXIT ONTO CA-91 E. GO 16.8 MI. TAKE THE BARSTOW/SAN DIEGO EXIT ONTO 1-15 5 TOWARD SAN DIEGO. GO 41.9 MI. TAKE EXIT #54/RAINBOW VALLEY BLVD. GO 0.4 MI. TURN LEFT ON W RAINBOW VALLEY BLVD. GO 0.2 MI. TURN RIGHT ON OLD HIGHWAY 395. GO 2.6 MI. TURN LEFT ON WHITE LILAC RD. GO 0.1 MI ARRIVE AT 4230 WHITE LILAC RD, FALLBROOK, ON THE LEFT.

DRIVING DIRECTIONS



ABBREVIATIONS

EXISTING ANTENNA --- GROUND BUS BAR MECH. GRND. CONN. CADWELD GROUND ACC. WELL

SET POINT REVISION ELECTRIC BOX DETAIL REF T TELEPHONE BOX

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED

LATEST EDITIONS OF THE FOLLOWING CODES:

1. 2010 CALIFORNIA BUILDING CODE,

3. 2010 CALIFORNIA PLUMBING CODE

2. 2010 CALIFORNIA RESIDENTIAL CODE

4. 2010 CALIFORNIA MECHANICAL CODE

5. 2010 CALIFORNIA ELECTRICAL CODE

SITE PARCEL NO .:

JURISDICTION:

OCCUPANCY:

LATITUDE:

LONGITUDE:

ELEVATION:

LEGAL DESCRIPTION:

Z<u>ON</u>E:

VOLS, 1 \$ 2

IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES

PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE

AS ACCEPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE

CODE COMPLIANCE

108-340-25-00

33° 23' 55.09" N

117° 10' 7.4" W

A70

11201

PROJECT DATA

COUNTY OF SAN DIEGO

☆ LIGHT POLE

O FOUNDATION

SPOT ELEV.

6. 2010 ENERGY CODE

STANDARDS CODE

UNMANNED TELECOMMUNICATIONS FACILITY

PARCEL I OF PARCEL MAP 12968, IN

CALIFORNIA, FILED IN THE OFFICE OF

83-390759 OF OFFICIAL RECORDS.

THE COUNTY RECORDER OF SAN DIEGO

COUNTY, OCTOBER 28 1983 AS FILE NO.

THE COUNTY OF SAN DIEGO, STATE OF

7. 2010 GREEN BUILDING CODE

8. 2010 CALIFORNIA FIRE CODE

9. 2010 CALIFORNIA REFERENCE

MATCH LINE - WORK POINT — · · — GRND, CONDUCTOR ----T--- TELE. CONDUIT SYMBOLS, LINETYPES AND HATCH-PATTERNS

ELEVATION REF.

--- E--- ELECT. CONDUIT ----A---- COAXIAL CABLE -T/E- OVERHEAD SERV. CONDUCTORS ----x--- CHAIN LINK FENCE --- CENTERLINE WOOD CONT. WOOD BLOCKING

SITE ADDRESS:

OWNER:

CONTACT:

APPLICANT:

CONTACTS:

ARCHITECT:

CONTACT:

4230 WHITE LILAC RD.

FALLBROOK, CA 92028

4230 WHITE LILAC ROAD

troyc@kcnclall-farms.com

15505 SAND CANYON AVE.

BUILDING "D" IST FLOOR

PHONE: (949) 286-7000

MILESTONE WIRELESS

PHONE: (323) 241-8519

ACO ARCHITECTS, INC.

LAKE FOREST, CA 92630

PHONE: (949) 716-9940

FAX: (949) 297-4788

26170 ENTERPRISE WAY #600

ANTHONY ORTALE (949) 716-9940

PROJECT MANAGER: EMANUEL HIGGINS

VERIZON WIRELESS

IRVINE, CA 92618

15205 PAYTON

IRVINE, CA. 92620

TROY CONNOR (760) 731-9552,

TROY CONNOR

KENDALL FARMS

MASONRY (E) MASONRY CONCRETE

TITITITI PLYWOOD SAND WILLIAM STEEL

PLASTER

GENERAL CONTRACTOR NOTES

PLAN VERIFICATION

CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE

ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING

WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND

T -- 1 TITLE SHEET A-1 SITE PLAN DETAILED SITE PLAN A-3 ARCHITECTURAL ELEVATIONS

THE PERMIT APPLICANT ACKNOWLEDGES THAT THIS PROJECT PROPERTY IS ZONED A70 AND SURROUNDING PROPERTIES ZONED A70 AND WILL BE REQUIRED TO COMPLY WITH THE ONE-HOUR SOUND LEVEL LIMITS OF CHAPTER 4 (NOISE ABATEMENT AND CONTROL) IN TITLE 3, DIVISION 6 OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES. FOR THIS PROJECT PROPERTY THE MOST STRINGENT DAYTIME HOURLY LIMIT AT ANY PROPERTY LINE IS 50 DECIBELS (DBA) AND FOR NIGHTTIME CONDITIONS THIS HOURLY LIMIT IS 45 DECIBELS (DBA). AS SUCH, IT IS SOLELY THE RESPONSIBILITY OF THE APPLICANT TO ENSURE COMPLIANCE WITH THESE STANDARDS. THE PROPERTY OWNER SHALL CORRECT ANY REPORTED NOISE VIOLATION OF THE APPLICABLE SOUND LEVEL

PROJECT DIRECTORY

THIS PROPOSED PROJECT CONSISTS OF THE INSTALLATION OF A 30 KW KOHLER EMERGENCY BACKUP GENERATOR OUTSIDE A VERIZON WIRELESS EXISTING UNMANNED TELECOMMUNICATIONS FACILITY. THIS GENERATOR WOULD RUN IN THE EVENT OF A MAJOR CATASTROPHE CAUSING COMMERCIAL POWER FAILURE.

PROJECT DESCRIPTION

A-4 GENERATOR SPECIFICATIONS

LIMITS WITHIN 30 DAYS OF WRITTEN NOTIFICATION BY THE COUNTY

SHEET INDEX

REV: DATE/BY: REVISION DESCRIPTION CLIENT REVISIONS CLIENT REVISIONS 08-22-11 CLIENT REVISIONS 06-20-12 CLIENT REVISIONS 10-15-12 COUNTY COMMENTS

CONSULTANT:



8941 ATLANTA AVENUE, #504 HUNTINGTON BEACH, CA. 92646

SITE BUILDER:



15505 SAND CANYON AVE. BUILDING 'D' 1st. FLOOR IRVINE, CA. 92618 PHONE (949) 286-7000

A E DEVELOPMENT:



26170 ENTERPRISE WAY #600 LAKE FOREST, CA 92630 TEL: 949-716-9940 FAX: 949-297-4788

ENGINEER:

SITE INFO:

SITE NAME: 1-15 EAST MISSION ROAD

SITE ADDRESS:

4230 WHITE LILAC RD. FALLBROOK, CA 92028

SHEET TITLE:

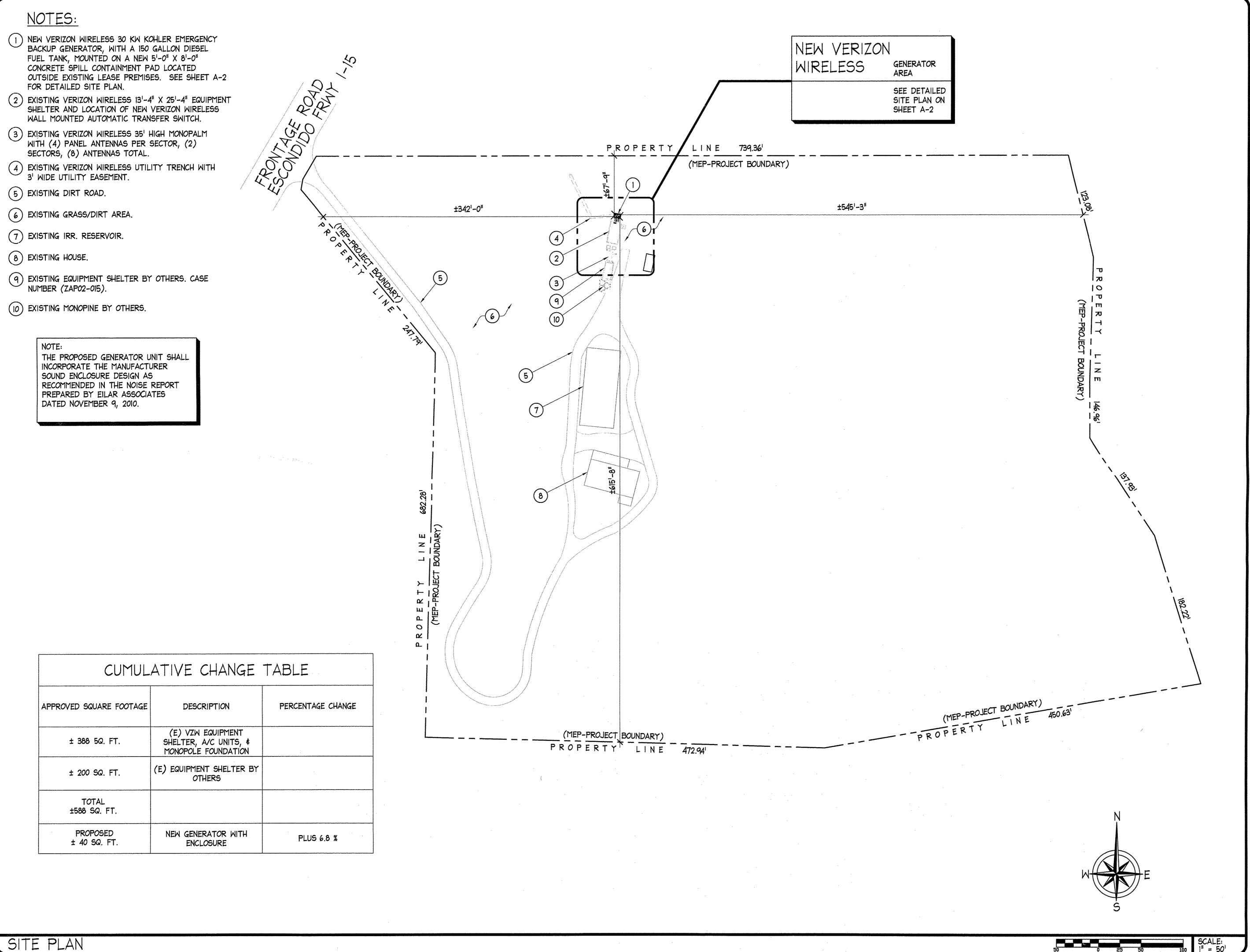
TITLE SHEET

DRAWING INFO: DRAWN BY: DWG. NAME:

DATE: 10-20-09

SHEET NUMBER:

SDC PDS RCVD 12-04-12 **ZAP00-112W1**



REV:	DATE/BY:	REVISION DESCRIPTION:		
3	05-02-11 MY	CLIENT REVISIONS		
4	05-06-11 RS	CLIENT REVISIONS		
5	08-22-11 MY	CLIENT REVISIONS		
6	06-20-12 TW	CLIENT REVISIONS		
7	10-15-12	COUNTY COMMENTS		

CONSULTANT:



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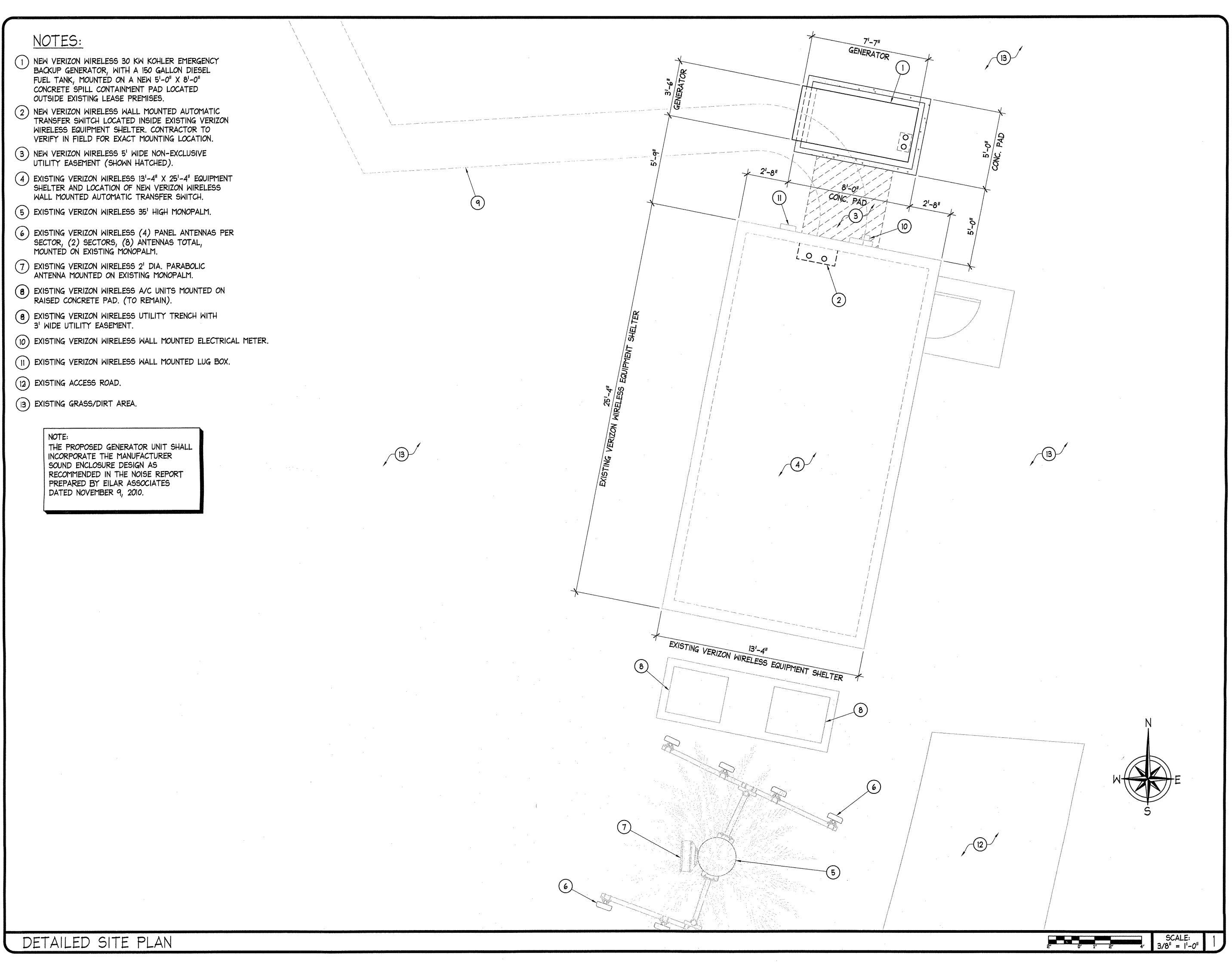
SHEET TITLE:

SITE PLAN

DRAWING INFO:

DWG. NAME: DRAWN BY: DATE: 10-20-09

SHEET NUMBER:



REV:	DATE/BY:	REVISION DESCRIPTION:
3	<i>0</i> 5-02-11 MY	CLIENT REVISIONS
4	<i>0</i> 5-06-11 RS	CLIENT REVISIONS
5	08-22-11 MY	CLIENT REVISIONS
6	06-20-12 TW	CLIENT REVISIONS
7	10-15-12 DN	COUNTY COMMENTS

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ENGINEER:

SITE INFO:

SITE NAME:

1-15 EAST MISSION ROAD

SITE ADDRESS:

4230 WHITE LILAC RD. FALLBROOK, CA 92028

SHEET TITLE:

DETAILED SITE PLAN

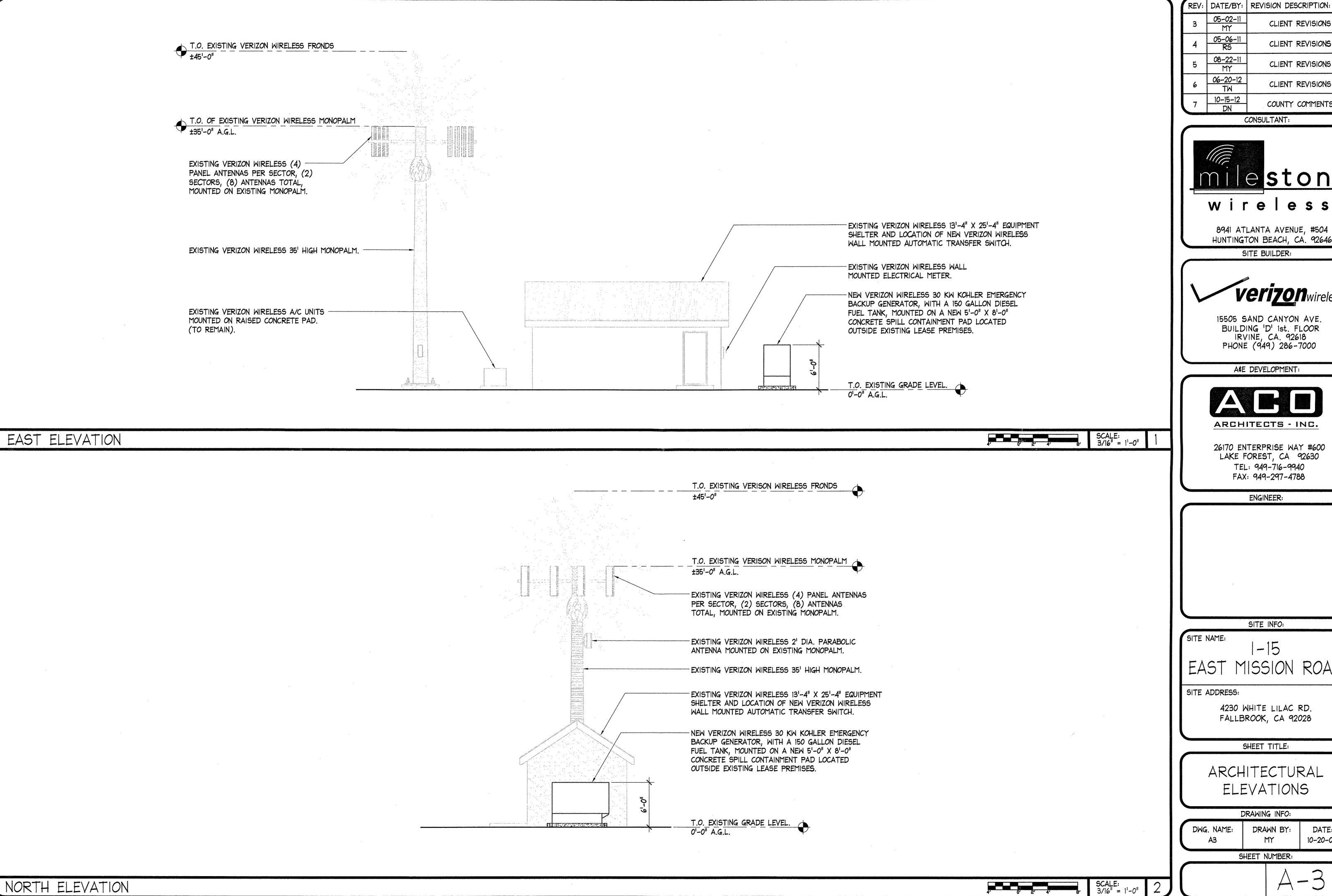
DRAWING INFO:

DWG. NAME: DRAWN BY:
A2 MY

SHEET NUMBER:

A-2

10-20-09



REV:	DATE/BY:	REVISION DESCRIPTION:
3	05-02-11 MY	CLIENT REVISIONS
4	05-06-11 RS	CLIENT REVISIONS
5	08-22-11 MY	CLIENT REVISIONS
6	06-20-12 TW	CLIENT REVISIONS
7	10-15-12 DN	COUNTY COMMENTS

CONSULTANT:



8941 ATLANTA AVENUE, #504 HUNTINGTON BEACH, CA. 92646

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ENGINEER:

SITE INFO:

SITE NAME:

1-15 EAST MISSION ROAD

SITE ADDRESS:

4230 WHITE LILAC RD. FALLBROOK, CA 92028

SHEET TITLE:

ARCHITECTURAL ELEVATIONS

DRAWING INFO:

DWG. NAME: DRAWN BY: DATE: 10-20-09 A3

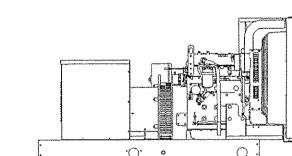
SHEET NUMBER:

NOT USED

Model: 30REOZJC-VER

KOHLER POWER SYSTEMS





Standard Features

- Kohler Co. provides one-source responsibility for the
- generating system and accessories. The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set is UL 2200 listed.
- The generator set accepts rated load in one step. • The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and
- installed per NFRA standards. • The generator set complies with ISO 8528-5, Class G2, requirements for transient performance.
- The generator set engine is certified by the Environmental Protection Agency (EPA) to conform to
- interim Tier 4 nonroad emissions regulations. A five-year basic limited warranty covers all systems
- and components. The unique Fast-Response [™] II excitation system
- delivers excellent voltage response and short circuit capability using a permanent magnet (PM)-excited
- The low coolant level shutdown prevents overheating. Integral vibration isolation eliminates the need for
- under-unit vibration spring isolators.

Generator Set Ratings

				105°C Rise Standby Rating		
Alternator	Voltage	Ph	Hz	k W /k VA	Amps	
4P5	120/208	3	60	30/38	104	
105	120/240	1	60	30/30	125	

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor, Standby Ratings: Standby rating sapply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. Prime Power Ratings: Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3048/1, BS 5514, AS 2789, and DIN 6271. For limited running time and base load ratings, consult tha factory. Obtain the technical information builder (ITB-101) on ratings guidates for that complete ratings definitions. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. GENERAL GUIDELINES FOR DERATION; Altitude; Derate 0.5% per 100 m (328 ft.) elevation above 2100 m (6890 ft.). Temperature:

G5-337 (30REOZJC-VER) 1/09b

Alternator Specifications

• NEMA MG1, IEEE, and ANSI standards compliance for Specifications temperature rise and motor starting. Manufacturer Kohler Sustained short-circuit current of up to 300% of the rated 4-Pole, Rotating-Field Type current for up to 10 seconds. Brushless, Permanent-Magnet Exciter type

Solid State, Volts/Hz

NEMA MG1

Class H

Full

1, Sealed

Flexible Disc

100% of Rating

100% of Rated

Standby Current

(35% dip for voltages below)

Ductile Iron

Chromium-Silicon Steel

Stainless Steel

Stanadyne/Unit Pump

Isochronous

±0.25%

8.0 (283)

552 (1026)

7.5 (2.2)

63.5 (2.5)

Voitage regulator

Bearing: quantity, type

Amortisseur windings

One-step load acceptance

Unbalanced load capability

Peak motor starting kVA:

4Q5

208 V 4P5

Crankshaft material

Governor: type, make/model

Air cleaner type, all models

Frequency regulation, no-load to full-load

Exhaust flow at rated kW, m³/min. (cfm)

Exhaust temperature at rated kW, dry

Maximum allowable back pressure,

Exhaust outlet size at engine hookup,

Frequency regulation, steady state

Valve material:

Intake

Exhaust

Frequency

Exhaust

Exhaust System

exhaust, °C (°F)

kPa (in. Hg)

mm (in.)

Exhaust manifold type

240 V

Voltage regulation, no-load to full-load ±1% Average

insulation:

Coupling

Material

 Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.

 Self-ventilated and dripproof construction. Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life.

 Superior voltage waveform from a two-thirds pitch stator and Fast-Response[™] II brushless alternator with brushless

exciter for excellent load response.

Application Data					
Engine	• •	Engine Electrical			
Engine Specifications		Engine Electricaf System			
Manufacturer	John Deere	Battery charging alternator:			
Engine model	4024TF281	Ground (negative/positive)	Negative ·		
Engine type	4-Cycle, Turbocharged	Volts (DC)	12		
Cylinder arrangement	4 Inline	Ampere rating	. 70		
Displacement, L (cu. in.)	2.4 (149)	Starter motor rated voltage (DC)	12		
Bore and stroke, mm (in.)	86 x 105 (3.39 x 4.13)	Battery, recommended cold cranking	,		
Compression ratio	20.5:1	amps (CCA);			
Piston speed, m/min. (ft./min.)	375 (1230)	Quantity, CCA rating	One, 640		
Main bearings: quantity, type	5, Replaceable Insert	Battery voltage (DC)	12		
Rated rpm	1800	Fuel			
Max. power at rated rpm, kWm (BHP)	36 (49)	Fuel System			
Cylinder head material	Cast Iron	Fuel executivities with 1D and (in)	11 0 (0 14)		

Fuel supply line, min. ID, mm (in.) 11,0 (0.44) Fuel return line, min. 10, mm (in.) 6.0 (0.25) Max. lift, engine-driven fuel pump, m (ft.) 3.0 (10.0) Max. fuel flow, Lph (gph) 99 (26,1) Fuel prime pump Manual Fuel filter Secondary 5 Microns @ 98% Efficiency Water Separator #2 Diesel Recommended fuel Lubrication Lubricating System

Full Pressure

7.3 (7.7)

8.2 (8.7)

1, Cartridge

Water-Cooled

G5-337 (30REOZJC-VER) 1/09b

Oil cooler

Oil pan capacity, L (qt.)

Oil filter: quantity, type

Oil pan capacity with filter, L (qt.)

Application Data

Cooling Radiator System Ambient temperature, °C (°F) 2.6 (0.7) Engine jacket water capacity, L (gal.) Radiator system capacity, including 11.4 (3.0) engine, L (gal.) Engine jacket water flow, Lpm (gpm) 91 (24) Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.) 24.8 (1412) Centrifugal Water pump type Fan diameter, including blades, mm (in.) 597 (23.5) Fan, kWm (HP) 2.9 (3.9) Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H₂O)

Operation Requirements Radiator-cooled cooling air,

Air Requirements m³/min. (scf:n)‡ Cooling air required for generator set when equipped with city water cooling or remote radiator, based on 14°C (25°F) rise and amblent temp. of 29°C (85°F), 48 (1700) m³/min. (cfm) Combustion air, m³/min. (cfm) 3.0 (106) Heat rejected to ambient air: Engine, kW (Btu/min.) 8.6 (490) Alternator, kW (8tu/min.) 4.4 (250)

‡ Air density = 1.20 kg/m³ (0.075 lbm/ft³) Fuel Consumption Diesel, Lph (gph) at % load Standby Rating 10.6 (2.**8**) 75% 8.0 (2.1) 5.8 (1.5) 50% 25% 3.9 (1.0)

KOHLER CO., Kohler, Wisconsin 53044 USA Phone 920-565-3381, Fax 920-459-1646 For the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444

Controller



KPC 1000 Controller Features

 Audiovisual annunciation with NFPA 99 and NFPA 110 capability Multi-line digital data display and keypad to access data 12- or 24-volt DC engine electrical system capability Graphic liquid crystal display (LCD) With 128 x 64 pixel resolution and

 Sealed six-button keypad Ten bi-color (yellow warning and red shutdown) fault or green status indicating LED lights

 Red failure (fault) shutdown LED Three-button master switch: Auto, Off (Reset), Run Alarm horn with silence switch function

 Upgradeable application code RS-485 connector for serial data communication Password-protected programming mode

 PC interface Software for monitoring, adjustment, and upgrades Faults:Auxillary fault

 High engine temperature Low cranking voltage Low oil pressure Low coolant level Overcrank Overspeed

Overvoltage Undervoltage Overfrequency Underfrequency Low battery voltage High battery voltage

G5-337 (30REOZJC-VER) 1/09b

SCALE: N.T.5.

SITE INFO:

REV: DATE/BY: REVISION DESCRIPTION:

CONSULTANT:

wireless

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SITE BUILDER:

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A¢E DEVELOPMENT:

ARCHITECTS - INC.

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ENGINEER:

CLIENT REVISIONS

CLIENT REVISIONS

CLIENT REVISIONS

CLIENT REVISIONS

COUNTY COMMENTS

05-02-11

MY

08-22-11

MY

06-20-12

TW 10-15-12

SITE NAME:

EAST MISSION ROAD

SITE ADDRESS:

4230 WHITE LILAC RD. FALLBROOK, CA 92028

SHEET TITLE:

GENERATOR SPECIFICATIONS

DRAWING INFO:

DWG. NAME: DRAWN BY: DATE: 10-20-09 SHEET NUMBER:

GENERATOR SPECIFICATIONS

SCALE: N.T.5.